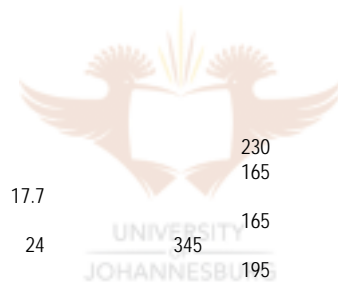


Table 5-1: Microthermometry results of fluid inclusion studies of a sample of gold-bearing quartz vein (RRH 196), from the Ambatomiefy pluton.

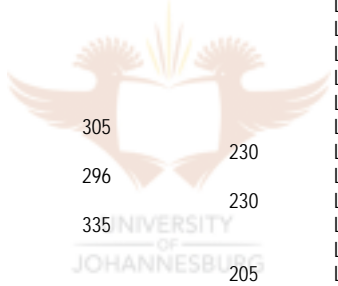
FI no	Size(μ)	FI type	VCO ₂	Tf	T _m CO ₂	T _m clath	T _h CO ₂ (L)	T _h CO ₂ (V)	T _h (L)	T _h (V)	Td	mode	T(K)	F	denC	Salwt%	XCO ₂	XH ₂ O	XNaCl
18	14	Type 2	0.7	-103.4	-57.2	5.8	15.6					L	288.75	0.3	0.82	7.78	0.4406	0.5452	0.0142
30	14	Type 2	0.9	-103.3	-57.4		11.9					L	285.05	0.1	0.85				
37	22	Type 2	0.8	-110	-57.4	7.1	15.4					L	288.55	0.2	0.82	5.59	0.5750	0.4174	0.0076
38	18	Type 2	0.9	-105.5	-57.3	6.6	14.7					L	287.85	0.1	0.82	6.45	0.7541	0.2408	0.0051
40	16	Type 2	0.9	-97.3	-57.2		14.5					L	287.65	0.1	0.83				
42	8	Type 2	0.8	-160.3	-57.7	7.2	14.1					L	287.25	0.2	0.83	5.41	0.5783	0.4144	0.0073
49	10	Type 2	0.9	-109.3	-56.7	6.7	13					L	286.15	0.1	0.84	6.28	0.7572	0.2378	0.0049
51	16	Type 2	0.9	-110	-57.6		15.5					L	288.65	0.1	0.82				
52	14	Type 2	0.9	-110	-57.6	6.7	13.1					L	286.25	0.1	0.84	6.28	0.7571	0.2380	0.0049
53	10	Type 2	0.9	-105	-57.7	6.7	15.6					L	288.75	0.1	0.82	6.28	0.7523	0.2426	0.0050
55	10	Type 2	0.8	-11.2	-57.6	6.8	16.8					L	289.95	0.2	0.81	6.11	0.5712	0.4203	0.0084
57	12	Type 2	0.8	-109.6	-57.6	6.6	15.2					L	288.35	0.2	0.82	6.45	0.5755	0.4156	0.0089
124	16	Type 2	0.9	-100.6	-57.3		14.9					L	288.05	0.1	0.82				
125	10	Type 2	0.9	-114.3	-57.7	7	17					L	290.15	0.1	0.80	5.76	0.7494	0.2460	0.0046
136	18	Type 2	0.8	-113.2	-57.7		17.3					L	290.45	0.2	0.80				
166	10	Type 1-a		-160	-57.5		8.6					L	281.75	1	0.87				
167	10	Type 2	0.9	-120	-57.6	6.6	17.2					L	290.35	0.1	0.80	6.45	0.7490	0.2458	0.0052
172	18	Type 2	0.8								230	L							
174	20	Type 2	0.9								165	L							
187	42	Type 2	0.9	-110.3	-57.4			17.7				V	290.85	0.1	0.10				
220	18	Type 2	0.9								165	V							
221	20	Type 2	0.7	-115.3	-57.4			24		345		V	297.15	0.3	0.10				
222	20	Type 2	0.9								195	L							
226	50	Type 2	0.9	-103	-57.2			24.4		325		V	297.55	0.1	0.10				
233	20	Type 2	0.8							216		L							
244	26	Type 2	0.9								175	L							



	T _m CO ₂	T _m clath	T _h CO ₂ (L)	T _h CO ₂ (V)	T _h (L)	T _h (V)	Td	F	denC	Salwt%	SalMol	denAq	denTot	MVTot
N	20	11	17	3		3	5	20	20	11	11	11	11	11
Min	-57.7	5.8	8.6	17.7		216	165	0.1	0.10	5.41	0.98	1.03	0.83	33.9
Max	-57.2	7.2	17.3	24.4		345	230	1	0.87	7.78	1.44	1.05	0.89	45.7
Ave	-57.5	6.7	14.7	22.0		295	186	0.2	0.71	6.26	1.14	1.04	0.9	41.6
SD	0.18	0.37	2.19	3.76		69.31	27.48	0.20	0.27	0.62	0.12	0.00	0.02	4.01

Table5-1 (continued)

Fl no	Size(μ)	Fl type	VCO ₂	Tf	T _m CO ₂	T _m clath	T _h CO ₂ (L)	T _h CO ₂ (V)	T _h (L)	T _h (V)	Td	mode	T(K)	F	denC
84a	60	Type 1-b	0.3	-100.4	-58.5		29.5					L			
85	45	Type 1-b	0.5	-100.4	-58.5		29.1					L	302.25	0.5	0.63
86	18	Type 1-b	0.1	-160	-58.3		29.7					L	302.85	0.9	0.61
87	10	Type 1-b	0.4	-110.5	-58.4		29.8					L	302.95	0.6	0.60
88	8	Type 1-b	0.4	-100.1	-58.5		30					L	303.15	0.6	0.60
89	10	Type 1-b	0.3	-110.5	-58.4		30					L	303.15	0.7	0.60
90	10	Type 1-b	0.4	-110.5	-58.4		29.9					L	303.05	0.6	0.60
94	14	Type 1-b	0.2	-109.5	-58.3		29.6					L	302.75	0.8	0.61
95	14	Type 1-b	0.3	-110.4	-58.4		29.4					L	302.55	0.7	0.62
96	10	Type 1-b	0.2	-109.5	-58.3		30.1					L	303.25	0.8	0.59
97	10	Type 1-b	0.1	-108.2	-58.3		29.3					L	302.45	0.9	0.62
116	10	Type 1-b	0.4	-105.4	-58.3		30.2					L	303.35	0.6	0.59
115	12	Type 1-b	0.4	-110.4	-58.4		30.3					L	303.45	0.6	0.58
117	10	Type 1-b	0.3	-110.2	-58.4		30.1					L	303.25	0.7	0.59
178	10	Type 1-b	0.2									L		0.8	0.93
181	36	Type 1-b	0.3	-111.9	-57.4		30.1					L	303.25	0.7	0.59
182	14	Type 1-b	0.4									L		0.6	0.93
184	36	Type 1-b	0.2	-110.5	-57.6		23.7					L	296.85	0.8	0.73
185	12	Type 1-b	0.3									L		0.7	0.93
189	30	Type 1-b	0.4	-160	-57.5		28.1					L	301.25	0.6	0.65
206	32	Type 1-b	0.2	-110.2	-57.5		27.5					L	300.65	0.8	0.67
209	12	Type 1-b	0.1									L		0.9	0.93
210	20	Type 1-b	0.4									L		0.6	0.93
217	30	Type 1-b	0.4	-111.2	-57.4			24.4				V	297.55	0.6	0.10
223	12	Type 1-b	0.2	-117.7	-57.5		26					L	299.15	0.8	0.70
224	44	Type 1-b	0.2	-160	-57.6		29.4					L	302.55	0.8	0.62
225	30	Type 1-b	0.2									L		0.8	0.93
228	50	Type 1-b	0.1									L		0.9	0.93
240	16	Type 1-b	0.2									L		0.8	0.93
242	18	Type 1-b	0.2									L		0.8	0.93
265	30	Type 1-b	0.4	-111.5	-57.6		22.4					L	295.55	0.6	0.75
266	8	Type 1-b	0.4									L		0.6	0.93



	T _m CO ₂	T _h CO ₂ (L)	T _h CO ₂ (V)	T _h (L)	T _h (V)	Td
N	22	21	1	5	5	5
Min	-58.5	22.4	24.4	260	220	194.2
Max	-57.4	30.3	24.4	335	330	230
Ave	-58.1	28.8	24.4	302	273	212.8
SD	0.44	2.17		27.69	48.43	16.27

Table5-1 (continued)

Fl no	Size(μ)	Fl type	VH ₂ O	Tf	Te	Tm ice	T _h (L)	T _h (V)	Tm DM	Salwt%
159	12	Type 4	0.1						340	41.49
160	8	Type 4	0.1						275	36.33
161	14	Type 4	0.1				235		320	39.76
163	10	Type 4	0.1				355			
164	10	Type 4	0.1				355			
258	14	Type 4	0.1				520		500	59.76
259	14	Type 4	0.1				395		495	59.08
260	18	Type 4	0.1				230		500	59.76
261	14	Type 4	0.1				245		245	34.47
262	20	Type 4	0.1				265		400	47.44
267	14	Type 4	0.1				285		450	53.26



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